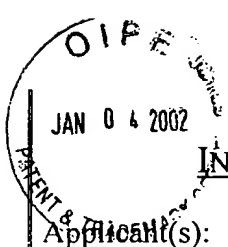


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Krames, Michael R.; Rudaz, Serge L.; Wierer Jr., Jonathan J.

Assignee: LumiLeds Lighting U.S., LLC

Title: Multi-Layer Highly Reflective Ohmic Contacts For Semiconductor Devices

Serial No.: 09/469,652

Filing Date: December 22, 1999

Examiner: Chu, C.

Group Art Unit: 2815

Docket No.: M-9197 US

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2001
MAIL ROOM

San Jose, California
November 20, 2001

BOX NON-FEE AMENDMENT
COMMISSIONER FOR PATENTS
Washington, D. C. 20231

RESPONSE TO OFFICE ACTION

Dear Sir:

This responds to the October 3, 2001 Office Action. Please enter the following amendments.

IN THE SPECIFICATION

Please replace the paragraph beginning at page 6, line 1, with the following replacement paragraph.

The present invention is a multi-layer contact that consists of multiple material layers providing high reflectivity, low specific contact resistance, and high reliability. Figure 1 shows a cross-sectional embodiment of a semiconductor device 10 with a multi-layer contact 12. The multi-layer contact 12 includes an ohmic layer 12A and a reflective layer 12B. In combination, the ohmic and reflective layers 12A, 12B form a highly reflective ohmic electrical contact to semiconductor structure 11. Various optoelectronic semiconductor structures 11 can be used with the multi-layer reflective contact layers 12. Symbol hv in Figure 1 designates the path of a photon reflected by multi-layer contact 12.

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Please replace the paragraph beginning at page 6, line 10 with the following replacement paragraph.

2815

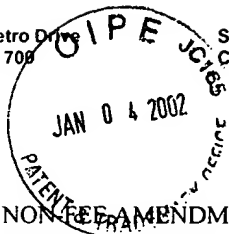
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Docket No.: M-9197 US



November 20, 2001

Box NON-FEE AMENDMENT
Commissioner For Patents
Washington, D.C. 20231

Re: Applicant(s): Krames, Michael R.; Rudaz, Serge L.; Wierer Jr., Jonathan J.
Assignee: LumiLeds Lighting U.S., LLC
Title: Multi-Layer Highly Reflective Ohmic Contacts For Semiconductor Devices
Serial No.: 09/469,652
Examiner: Chu, C.
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Filed: December 22, 1999
Group Art Unit: 2815

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Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Return Receipt Postcard;
- (2) This Transmittal Letter (in duplicate);
- (3) Response to Office Action (10 pages).

- ☒ No additional fee is required.
☐ The fee has been calculated as shown below:

CLAIMS AS AMENDED

	Claims Remaining <u>After Amendment</u>		Highest No. Previously <u>Paid For</u>		Present <u>Extra</u>		<u>Rate</u>		Additional <u>Fee</u>
Total Claims	18	Minus	20	=	0	x	\$18.00	\$	0.00
Independent Claims	2	Minus	3	=	0	x	\$84.00	\$	0.00
<input type="checkbox"/>	Fee of _____ for the first filing of one or more multiple dependent claims per application							\$	
<input type="checkbox"/>	Fee for Request for Extension of Time							\$	
<u>Total additional fee for this Amendment:</u>								\$	<u>0.00</u>
<input checked="" type="checkbox"/>	Conditional Petition for Extension of Time: If an extension of time is required for timely filing of the enclosed document(s) after all papers filed with this transmittal have been considered, an extension of time is hereby requested.								
<input type="checkbox"/>	Please charge our Deposit Account No. 19-2386 in the amount of							\$	<u>0.00</u>
<input checked="" type="checkbox"/>	Also, charge any additional fees required and credit any overpayment to our Deposit Account No. 19-2386.								
Total:								\$	<u>0.00</u>

I hereby certify that this correspondence is being deposited with
the United States Postal Service as First Class Mail in an envelope
addressed to: Commissioner For Patents, Washington, D.C.
20231, on November 20, 2001.

Mark E. Schmidt
Agent for Applicant(s)

20 Nov 2001
Date of Signature

Respectfully submitted,

Mark E. Schmidt
Mark E. Schmidt
Agent for Applicant(s)
Reg. No. 47,063